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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/715,343	11/16/2003	Michael O. Bowen	3249	2399
=	7590 02/22/2007 COMPANY, PLLC		EXAMINER	
P.O. BOX 2666	5		KURR, JASON RICHARD	
BOISE, ID 83701			ART UNIT	PAPER NUMBER
			2615	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		02/22/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
*	10/715,343	BOWEN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Jason R. Kurr	2615			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status		•			
Responsive to communication(s) filed on 16 November 2003. This action is FINAL.					
Disposition of Claims					
4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-6 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on 16 November 2003 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct	r election requirement. r. re: a)⊠ accepted or b)⊡ object drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/20/04. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2 and 4-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Oberg (US 2,790,164).

With respect to claim 1, Oberg discloses a dual-cone loudspeaker, comprising: a. two speaker elements (fig.1 #12,13), facing in opposite directions; and b. two acoustical horns (fig.1 #17,21,22), each containing an approximately 90-degree bend; said horns being acoustically independent and having approximately co-planar openings that project acoustical energy in the same direction; c. said two speaker elements each being located within one of said two acoustical horns (fig.1).

With respect to claim 2, Oberg discloses the dual-cone loudspeaker of claim 1, further comprising a single, shared magnet between the two speaker elements (fig.1 #10,11, col.1 ln.51-62).

With respect to claim 4, Oberg discloses a dual-cone loudspeaker, comprising: a. two speaker elements (fig.1 #12,13), facing in opposite directions, each having a closed basket or frame (fig.1#14) behind their respective speaker cones, and b. two acoustical horns (fig.1 #17,21,22), each containing an approximately 90-degree bend; said horns being acoustically independent and having approximately co-planar openings that

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project acoustical energy in the same direction; c. said two speaker elements each being located within one of said two acoustical horns (fig.1).

With respect to claim 5, Oberg discloses the dual-cone loudspeaker of claim 4, further comprising a single, shared magnet between the two speaker elements (fig.1 #10,11, col.1 ln.51-62).

Claims 1, 3, 4 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Sato (US 6,035,051).

With respect to claim 1, Sato discloses a dual-cone loudspeaker, comprising: a. two speaker elements (fig.8 #34,36), facing in opposite directions; and b. two acoustical horns (fig.8 #32), each containing an approximately 90-degree bend; said horns being acoustically independent and having approximately co-planar openings that project acoustical energy in the same direction; c. said two speaker elements each being located within one of said two acoustical horns (fig.8).

With respect to claim 3, Sato discloses the dual-cone loudspeaker of claim 1, further comprising two separate magnets; one for each speaker element (fig.8 #34,36).

With respect to claim 4, Sato discloses a dual-cone loudspeaker, comprising: a. two speaker elements (fig.8 #34,36), facing in opposite directions, each having a closed basket or frame (fig.8 #30,38) behind their respective speaker cones, and b. two acoustical horns (fig.8 #32), each containing an approximately 90-degree bend; said horns being acoustically independent and having approximately co-planar openings that

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project acoustical energy in the same direction; c. said two speaker elements each being located within one of said two acoustical horns (fig.8).

With respect to claim 6, Sato discloses the dual-cone loudspeaker of claim 4, further comprising two separate magnets; one for each speaker element (fig.8 #34,36).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Eddington (US 1,568,589) discloses a dual horn loudspeaker.

Lyons et al (US 5,397,866) discloses a dual acoustic horn assembly.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason R. Kurr whose telephone number is (571) 272-0552. The examiner can normally be reached on M-F 10:00am to 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on (571) 273-7848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JK

VIVIAN CHIN
SUPERVISCORY PATE OF EXAMINER
TECHNOLOGY CENTER 2000

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